

# O19

## EFFECT OF POSTERIOR COLPO-PERINEORRHAPHY ON BOWEL SYMPTOMS IN WOMEN WITH LOW GRADE INTUSSUSCEPTION.

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### Objective:

To determine the effectiveness of posterior colpo-perineorrhaphy in alleviating bowel symptoms in women with low grade intussusception.

### Rationale:

Improvement in bowel symptoms following posterior colpo-perineorrhaphy in women with large vaginal prolapse is well known, but its impact in the presence of low grade intussusception with mild-moderate prolapse is uncertain.

### Method:

This was a cohort study performed in a teaching hospital between 2014-17. All women presenting with symptoms of obstructive-defecation (ODS) or faecal incontinence to the colorectal clinic, with low grade intussusception (diagnosed on proctogram or at examination under anaesthesia), were included in the study. Women with predominantly vaginal symptoms or with large posterior prolapse (>+1 on POPQ) were excluded. The validated Birmingham Bowel and Urinary Symptoms Questionnaire (BBUSQ-22)[1] was completed pre-operatively, and at the 3-12 months post-operative visit. In addition, the Patient Global Impression of Improvement (PGI-I)[2] was used to assess post-operative improvement. Statistical analysis was performed using Graph Pad Statistical software, and the paired Student's t-test was used for comparison of pre-operative and post-operative questionnaire scores.

### Results:

Of the 32 women who underwent surgery, 28 completed the questionnaires pre and post-operatively and were included in the analysis. Majority (82%) had the surgery as a day case and there were no intra or post-operative complications. Significant improvement was seen in bowel domains of evacuation (21%;  $p=0.0001$ ), incontinence (14.5%;  $p=0.0001$ ), and constipation (7%;  $p=0.0325$ ) after the surgery. All women reported their symptoms as being either "very much better", "much better" or "a little better" than before the surgery. There were no reports of worsening of symptoms post-operatively.

### Conclusion:

Obstructive defecation and faecal incontinence improve significantly with a posterior colpo-perineorrhaphy in patients with low grade intussusception.. A posterior vaginal repair can be

considered as a low morbidity surgical option in these women, even in the absence of a significant vaginal prolapse.

#### References

1.Hiller, L., Bradshaw, H., Radley, S. and Radley, S. (2002). A scoring system for the assessment of bowel and lower urinary tract symptoms in women. *BJOG: An International Journal of Obstetrics and Gynaecology*, 109(4), pp.424-430.

2Patient Global Impression of Improvement (PGI-I). (2019, August 4). Physiopedia. Retrieved 13:30, January 24, 2020 from [https://www.physio- pedia.com/index.php?title=Patient\\_Global\\_Impression\\_of\\_Improvement\\_\(PGI- I\)&oldid=218329](https://www.physio- pedia.com/index.php?title=Patient_Global_Impression_of_Improvement_(PGI- I)&oldid=218329).